Cigarette Material Trial Concept 1988 and Achievements — Status: 23.12.1988

* = Objectives entered after November, 1987.
TRIAL START/END = Planned/effective start and/or duration of trial series.
RESULT A = Approved/achieved R = Refused/suspended/abandoned.

		TRIAL START	TRIAL END	RESULT	REMARKS
1. TOBACCO INGREDIANTS:					
1.1	Alternative source for cocoa peel.	11/87	../89		Engel abandoned 10/88.
1.2 *	Alternative sources (to DOW Chemicals) for Propylene Glycol and for	08/88	../89		
	Glycerine.	../88	../89		
1.3 *	Alternative source for block licorice.	08/88	../89		
2. FILTER ADDITIVES:					
	Plasticizer on black semi filtens:				
2.1	Introduce Methoxy-Polyethylene-Glycol MPEG 550 + MPEG 750 (physical mixtune suppliers).	02/88	08/88	A	Schärer & Schläpfer + BP
2.2	Standard recipes (triacetine addition) and application rates, between FTR and INB.	02/88	07/88	A	Std necipe; 8% application
2.3	Qualify at least one alternative source.	07/88	07/88	A	2 sources f. both FTR+INB
2.4 *	Qualify activated charcoal with small granulometry.	02/88	../89		
3. TOWS:					
3.1	Qualify Courtaulds tows				
	- Raffles 100s and Raffles KS 3.0/35Y	05/85	01/88	A	
	- Diana Specially Mild (Italy) 2.1/32Y	07/87	02/88	A	
	- Diana King Size (Italy) 2.5/30Y	10/87	02/88	A	
	- Marlboro Italy (Pan-European) 3.0/35Y	04/86	08/88	A	
	- Marlboro Sweden (FTR) 2.5/30Y	03/88	../89		
	- Viisa (FTR) 2.1/42Y	03/88	../89		
3.2	Develop suitable black tow for new generation machines (KDF II/AF2), with Eastman and Rhodia.	11/87	--	R	Trial suspended; awaiting results new charcoal.
3.3	Alternative source (to BALSTHAL) for crêpe paper.	12/87	../89		
3.4	Qualify Ectona, Great Britain (3.0/35Y; mgt.request).	01/87	../89		
4. PLUG WRAPS:					
4.1	Third supplier f. medium-ponous (Glatz or Wattens).	01/88	08/88	A	Glatz: PMG; Wattens: FTR
4.2	Fine-tuning high-ponous plug wraps:				
	- Interchangeability reg. porosity/ventilation.	05/88	--		Pending; see project FITIA
	- Good machinability - adapted papen smoothness.	08/88	--		Pending; see project FITIA
	- Improve splices of Dexten paper.	01/88	09/88	A	Type "Spider 10 mm PP"
4.3 *	Replacement for Mauduit's PPW 140.	01/88	../89		

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5. CIGARETTE PAPERS:

5.1	Alternative source (Sch. & H) for Raffles.	--	--		Pending; product changes.
5.2	Qualify Bolloré (Marlboro paper; mgt. decision)	08/87	05/88	R	Not OK; trials stopped.
5.4 *	Alternative source (to Mauduit) for PM Ultra.	08/88	../89		

6. TIPPING PAPERS:

6.1	Alternative source (to Interbobbin) for Raffles.	06/84	11/89	A	TANN qualified.
6.2	Micro-laser perforation 5M 0.5.3.5 Benkert (PMU).	03/87	../89		See also FITIA (point 8).
6.3	White base paper from Tann.	10/87	../89		
6.4	Qualify Miquel y Costas (EP cork tipping).	03/88	../89		
6.5 *	Laser-spray tippings from Malaucène (mgt request).	04/88	../89		
6.6 *	Baumgartner PSP filters (gluing problems).	02/88	11/88	A	Filter with Sch & H 9500
6.7 *	Equivalence micro-laser perfor. Malaucène + Benkert.	05/88	../89		
6.8	PROJECT F I T I A Refer to Enclosure.				

7. GLUES:

7.1	Improve glue testing + expertise; recommend better glue application units/systems.	01/88	12/88	-	No mtl tests; lab improved
7.2	Alternative source for tipping glue.	09/86	05/88	A	Türmer CF 510
7.3	Alternative source for filter seam glue.	../88	../89		
7.4	Natural glues for the cigarette seam:				
	- Gelatine	12/86	05/88	R	Trials suspended
	- Liquid starch	06/87	04/88	R	Trials suspended
7.5 *	Alternative source for PVA cig. seam glue	06/88	../89		
7.6 *	Alternative quality PVA cig.seam for Raffles	10/88	../89		

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